EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	192	"pop up menu" and (telecommunications or phone) and network and (measure or feedback or detect)	USPAT	OR	OFF	2006/09/01 18:39
L2	530	"pop up menu" and (telecommunications or phone) and network and (measure or feedback or detect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/01 18:39
L3	3	(("5694596") or ("5732212") or ("6330005")).PN.	USPAT; USOCR	OR	OFF	2006/09/01 18:40

USPTO PATENT FULL-TEXT AND IMAGE DATABASE

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Hits 1 through 50 out of 192

Next 50 Hits

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Refine Search "pop up menu" and (telecommunications or phone) a

	PAT. NO.	Title
1	7,093,005	Graphical editor for defining and creating a computer system
2	7,089,287	Message-based system having embedded information management capabilities
3	7,089,067	Device control system
4	7,080,322	Thematic response to a computer user's context, such as by a wearable personal computer
5	7,076,738	Computer device, method and article of manufacture for utilizing sequenced symbols to enable programmed application and commands
6	7,076,737	Thematic response to a computer user's context, such as by a wearable personal computer
7	7,072,951	HTTP transaction monitor with capacity to replay in debuggings session
8	7,068,290	Authoring system
9	7,065,516	Data checker apparatus and method
10	7,055,101	Thematic response to a computer user's context, such as by a wearable personal computer
11	RE39,090	Semantic user interface
12	7,039,709	Dynamically selection of most efficient transmission medium and route from a client browser
13	7,038,680	System for graphical display and interactive exploratory analysis of data and data relationships
14	7,025,209	Method and apparatus for wireless internet access
15	7,020,696	Distributed user management information in telecommunications networks
16	7,013,290	Personalized interactive digital catalog profiling
17	7,006,614	Systems and methods for voice and data communications including hybrid key system/PBX functionality

18 6,995,666 Cellemetry-operated railroad switch heater
19 6,992,991 Mobile communications terminal for satellite communications system
20 6,988,249 Presentation service architectures for netcentric computing systems
21 6,983,257 Security analyst performance tracking and analysis system and method
22 6,981,242 System and method for developing custom operator-specific software-applications
23 6,981,223 Method, apparatus and computer readable medium for multiple messaging session management with a graphical user interface
24 6,975,835 Method and apparatus for an interactive Web Radio system that broadcasts a digital markup language
25 6,973,625 Method for creating browser-based user interface applications using a framework
26 6,965,818 Mobile energy management system
27 6,964,022 Electronic board system
28 6,948,127 Interface for compressed video data analysis
29 6,947,900 Method and apparatus for automatic product listing
30 6,937,706 System and method for data recording
31 6,934,749 Tracking distributed data retrieval in a network device
32 6,934,279 Controlling voice communications over a data network
33 6,925,065 Apparatus and method for providing multimedia conferencing services with selective information services
34 6,917,836 Device control system
35 6,904,263 Method and system for interactive case and video-based teacher training
36 6,892,083 Voice-controlled wireless communications system and method
37 6,882,299 Portable internet-enabled controller and information browser for consumer devices
38 6,880,086 Signatures for facilitating hot upgrades of modular software components
39 6,865,713 Apparatus, program product and method of annotating a hypertext document with comments
40 6,845,297 Method and system for remote control of mobile robot
41 6,842,877 Contextual responses based on automated learning techniques
42 6,839,070 Real-time display of bandwidth utilization in a transport multiplexer
43 6,826,718 Method and apparatus for tracking call processing failure data in a radiotelephone system
44 6,809,724 Display apparatus and portable information processing apparatus
45 6,799,303 Speed typing apparatus and method
46 6,798,413 Workflow management system
47 6,795,071 Method of managing workflow information
48 6,791,583 System and method for providing spatially distributed device interaction
49 6,788,315 Platform independent computer network manager
50 6,785,667 Method and apparatus for extracting data objects and locating them in virtual space

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Next 50 Hits

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Refine Search "pop up menu" and (telecommunications or phone) a

	PAT. NO.	Title
51	6,785,370	System and method for integrating call record information
52	6,785,369	System and method for data recording and playback
53	6,785,244	Apparatus and method for providing multimedia conferencing services with selective information services
54	6,769,016	Intelligent SPAM detection system using an updateable neural analysis engine
55	6,766,373	Dynamic, seamless switching of a network session from one connection route to another
56	6,760,583	Portable mobile unit for conducting communication using one of character and picture information when a predetermined condition occurs
57	6,757,732	Text-based communications over a data network
58	6,757,362	Personal virtual assistant
59	6,751,620	Apparatus for viewing information in virtual space using multiple templates
60	6,728,947	Workflow distributing apparatus and method
61	6,728,345	System and method for recording and storing telephone call information
62	6,725,300	Control device for controlling the transmission and receipt of data and a method of determining the transmitter and the receiver of the data
63	6,684,369	Web site creator using templates
64	6,675,204	Wireless communication device with markup language based man-machine interface
65	6,674,993	Method and system for identifying data locations associated with real world observations
66	6,664,978	Client-server computer network management architecture
67	6,661,919	Method and apparatus for producing a hybrid data structure for displaying a raster

image

68 6,661,438 Display apparatus and portable information processing apparatus

69 6,650,877 Method and system for identifying data locations associated with real world observations

70 6,647,108 Internet call manager

71 6,633,905 System and method for accessing and operating personal computers remotely

72 6,614,452 Graphical user interface for in-vivo imaging

73 6,603,396 Method and apparatus for distributed object filtering

74 6,600,725 Apparatus and method for providing multimedia conferencing services with selective information services

75 6,561,811 Drug abuse prevention computer game

76 6,556,875 Device control system

77 6,546,082 Method and apparatus for assisting speech and hearing impaired subscribers using the telephone and central office

78 6,535,855 Push banking system and method

79 6,535,793 Method and system for remote control of mobile robot

80 6,535,506 Method and apparatus for establishing communications with a remote node on a switched network based on hypertext calling received from a packet network

81 6,522,347 Display apparatus, portable information processing apparatus, information recording medium, and electronic apparatus

82 6,510,419 Security analyst performance tracking and analysis system and method

83 6,509,912 Domain objects for use in a freeform graphics system

84 6,498,791 Systems and methods for multiple mode voice and data communications using intelligently bridged TDM and packet buses and methods for performing telephony and data functions using the same

85 6,470,381 Wireless communication device with markup language based man-machine interface

86 6,453,371 Method, apparatus, and system for selection of a port for data exchange

87 6,438,591 Entity management system

88 6,438,545 Semantic user interface

89 6,421,693 Method to automatically fill entry items of documents, recording medium and system thereof

90 6,418,214 Network-based conference system

91 6,408,282 System and method for conducting securities transactions over a computer network

92 6,397,259 Method, system and apparatus for packet minimized communications

93 6,385,350 Method and apparatus for producing a hybrid data structure for displaying a raster image

94 6,377,951 On-line database updating network system and method

95 6,377,288 Domain objects having computed attribute values for use in a freeform graphics system

96 6,373,383 Method and apparatus for policy-based alarm notification in a distributed network management environment

97 6,369,821 Method and system for synchronizing scripted animations

98 6,366,695 Method and apparatus for producing a hybrid data structure for displaying a raster image

99 6,363,421 Method for computer internet remote management of a telecommunication network element

100 6,343,275 Integrated business-to-business web commerce and business automation system

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	PAT. NO.	Title
101	6,330,005	Communication protocol binding in a computer system for designing networks
102	6,322,366	Instructional management system
103	6,317,781	Wireless communication device with markup language based man-machine interface
104	6,314,555	Software system generation
105	6,308,188	System and method for building a web site with automated workflow
106	6,304,886	System and method for building a web site using specific interface
107	6,300,946	Method and apparatus for interacting with a portable computer
108	6,292,473	Mobile communications terminal for satellite communications system
109	6,272,537	Method for building element manager for a computer network element using a visual element manager builder process
110	6,266,805	Visualization in a modular software system
111	6,263,358	Scheduler for a software system having means for allocating tasks
112	6,253,326	Method and system for secure communications
113	6,252,947	System and method for data recording and playback
114	6,252,946	System and method for integrating call record information
115	6,249,570	System and method for recording and storing telephone call information
116	6,247,043	Apparatus, program products and methods utilizing intelligent contact management
117	6,247,032	Automated system and method for approving web site content
118	6,246,752	System and method for data recording
119	6,240,451	Method and apparatus for automatically disseminating information over a network
120	6,239,798	Methods and apparatus for a window access panel

121 6,229,540 Auditing networks
122 6,219,680 System and method for building a web site for use in E-commerce with user specific pricing
123 6,208,345 Visual data integration system and method
124 6,202,060 Data management system
125 6,185,587 System and method for building a web site with automated help
126 6,173,316 Wireless communication device with markup language based man-machine interface
127 6,167,439 Data retrieval, manipulation and transmission with facsimile images
128 6,157,935 Remote data access and management system
129 6,154,128 Automatic building and distribution of alerts in a remote monitoring system
130 6,133,919 Method and apparatus for using a graphical user interface (GUI) as the interface to a distributed platform switch
131 6,115,690 Integrated business-to-business Web commerce and business automation system
132 6,104,334 Portable internet-enabled controller and information browser for consumer devices
133 6,094,684 Method and apparatus for data communication
134 6,070,160 Non-linear database set searching apparatus and method
135 6,061,512 Methods and apparatus for creating automated servers for display telephones
136 6,054,990 Computer system with handwriting annotation
137 6,049,776 Human resource management system for staffing projects
138 6,035,297 Data management system for concurrent engineering
139 6,018,346 Freeform graphics system having meeting objects for supporting meeting objectives
140 5,999,649 Method and apparatus for producing a hybrid data structure for displaying a raster image
141 5,999,179 Platform independent computer network management client
142 5,983,190 Client server animation system for managing interactive user interface characters
143 5,974,413 Semantic user interface
144 5,964,700 Medical network management article of manufacture
145 5,963,939 Method and apparatus for an incremental editor technology
146 5,946,647 System and method for performing an action on a structure in computer-generated data
147 5,937,405 On-line database updating network system and method
148 5,920,867 Data management system having data management configuration
149 5,883,665 Testing system for simulating human faculties in the operation of video equipment
150 5,878,421 Information map

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*Hits **151** through **192** out of **192***

Prev. 50 Hits

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Refine Search "pop up menu" and (telecommunications or phone) a

	PAT. NO.	Title
151	5,877,759	Interface for user/agent interaction
152	5,838,786	Intelligent acoustic systems peripheral
153	5,832,224	Entity management system
154	5,831,610	Designing networks
155	5,822,419	Telecommunications service interactions
156	5,821,937	Computer method for updating a network design
157	5,815,566	Apparatus and method for dynamic inbound/outbound call management and for scheduling appointments
158	5,777,549	Method and apparatus for policy-based alarm notification in a distributed network management environment
159	5,764,923	Medical network management system and process
160	5,764,512	Intelligent acoustic systems peripheral
161	5,761,683	Techniques for changing the behavior of a link in a hypertext document
162	5,752,059	Apparatus and method for representing electronic mail
163	5,734,863	Method and apparatus for providing improved type compatibility and data structure organization in a graphical data flow diagram
164	5,732,212	System and method for remote monitoring and operation of personal computers
165	5,729,637	Method and apparatus for producing a hybrid data structure for displaying a raster image
166	5,724,985	User interface for an implantable medical device using an integrated digitizer display screen
167	5,715,402	Method and system for matching sellers and buyers of spot metals
168	5,710,899	Interactive selectors for selecting subsets of a set of values

169 5,696,486 Method and apparatus for policy-based alarm notification in a distributed network management environment

170 5,694,596 On-line database updating network system and method

171 5,680,636 Document annotation and manipulation in a data processing system

172 5,644,735 Method and apparatus for providing implicit computer-implemented assistance

173 5,644,692 Information display apparatus and methods

174 5,634,100 System and method for event parameter interdependence and adjustment with pen input

175 5,625,833 Document annotation & manipulation in a data processing system

176 5,625,711 Method and apparatus for producing a hybrid data structure for displaying a raster image

177 5,623,541 Apparatus to manipulate and examine the data structure that supports digit analysis in telecommunications call processing

178 5,608,907 Extensible entity management system including an information manager for obtaining, storing and retrieving information from entities

179 5,563,931 Emergency wireless telephone and control system, and method

180 5,557,796 Extensible entity management system including a dispatching kernel and modules which independently interpret and execute commands

181 5,557,780 Electronic data interchange system for managing non-standard data

182 5,477,447 Method and apparatus for providing computer-implemented assistance

183 5,475,838 Extensible entity management system including rule-based alarms

184 5,471,382 Medical network management system and process

185 5,345,587 Extensible entity management system including a dispatching kernel and modules which independently interpret and execute commands

186 5,341,412 Apparatus and a method for predictive call dialing

187 5,303,042 Computer-implemented method and apparatus for remote educational instruction

188 5,220,657 Updating local copy of shared data in a collaborative system

189 5,220,500 Financial management system

190 5,206,949 Database search and record retrieval system which continuously displays category names during scrolling and selection of individually displayed search terms

191 5,008,853 Representation of collaborative multi-user activities relative to shared structured data objects in a networked workstation environment

192 4,879,648 Search system which continuously displays search terms during scrolling and selections of individually displayed data sets

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Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

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IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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1 Pen computing: a technology overview and a vision

André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Publisher: ACM Press

Full text available: pdf(5.14 MB) Additional Information: full citation, abstract, citings, index terms

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions.Starting with a short historic ...

2 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

3 IS '97: model curriculum and guidelines for undergraduate degree programs in information systems

Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker

December 1996 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems IS '97**, Volume 28 Issue 1

Publisher: ACM Press

Full text available: pdf(7.24 MB) Additional Information: full citation, citings

4 Security Mechanisms in High-Level Network Protocols

Victor L. Voydock, Stephen T. Kent

June 1983 **ACM Computing Surveys (CSUR)**, Volume 15 Issue 2
Publisher: ACM Press
Full text available: pdf(3.23 MB) Additional Information: full citation, references, citings

5 Trunking of TDM and narrowband services over IP Networks

James Aweya
January 2003 **International Journal of Network Management**, Volume 13 Issue 1
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(418.58 KB) Additional Information: full citation, abstract, references, citings, index terms

The recent interest in IP as the vehicle for transporting TDM and narrowband services stems from the possibility of using a common transport network for voice, video, and data, and the flexibility with which new services can be introduced. A key step in the evolution of networks towards a 'broadband' IP-based environment is the 'graceful' interworking of the IP networks with the existing networks and services, particularly with the circuit switched telephone network. A &l ...

6 Special issue: AI in engineering

D. Sriram, R. Joobbani
April 1985 **ACM SIGART Bulletin**, Issue 92
Publisher: ACM Press
Full text available: pdf(8.79 MB) Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

7 Spelling correction for the telecommunications network for the deaf

Karen Kukich
May 1992 **Communications of the ACM**, Volume 35 Issue 5
Publisher: ACM Press
Full text available: pdf(7.82 MB) Additional Information: full citation, references, citings, index terms, review

Keywords: spelling correction, telecommunications network for the deaf, text-to-speech synthesis

8 Power reduction techniques for microprocessor systems

Vasanth Venkatachalam, Michael Franz
September 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 3
Publisher: ACM Press
Full text available: pdf(602.33 KB) Additional Information: full citation, abstract, references, index terms

Power consumption is a major factor that limits the performance of computers. We survey the "state of the art" in techniques that reduce the total power consumed by a microprocessor system over time. These techniques are applied at various levels ranging from circuits to architectures, architectures to system software, and system software to applications. They also include holistic approaches that will become more important over the next decade. We conclude that power management is a ...

Keywords: Energy dissipation, power reduction

9 Some assembly required: building a digital government for the 21st century
Sharon S. Dawes, Peter A. Bloniarz, Kristine L. Kelly, Patricia D. Fletcher
May 2002 **Proceedings of the 2002 annual national conference on Digital government research dg.o '02**
Publisher: Digital Government Research Center
Full text available: pdf(889.22 KB) Additional Information: full citation, references

10 Some assembly required: building a digital government for the 21st century
Sharon S. Dawes, Peter A. Bloniarz, Kristine L. Kelly, Patricia D. Fletcher
May 2000 **Proceedings of the 2000 annual national conference on Digital government research dg.o '00**
Publisher: Digital Government Research Center
Full text available: pdf(889.21 KB) Additional Information: full citation, abstract, references

This material is based upon work supported in part by the National Science Foundation under Grant No. 99-181. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation.

11 Wireless intraoffice networks
K. Pahlavan
July 1988 **ACM Transactions on Information Systems (TOIS)**, Volume 6 Issue 3
Publisher: ACM Press
Full text available: pdf(1.98 MB) Additional Information: full citation, abstract, references, citings, index terms, review

An overview of the existing and growing demands for wireless office information networks is provided, and the existing research activities are assessed in some detail. The radio frequency (RF) and infrared (IR) communication technologies are examined as candidates for wireless intraoffice communications. The available bandwidths, according to federal regulations and characteristics of the channel for RF communications, are given. Digital narrow-band and wideband spread-spectrum RF communica ...

12 Proxies + path prediction: improving Web service provision in wireless-mobile communications
Stathes Hadjiefthymiades, Lazaros Merakos
August 2003 **Mobile Networks and Applications**, Volume 8 Issue 4
Publisher: Kluwer Academic Publishers
Full text available: pdf(255.84 KB) Additional Information: full citation, abstract, references, index terms

Mobile computing is considered of major importance to the computing industry for the forthcoming years due to the progress in the wireless communications area. A proxy-based architecture for accelerating Web browsing in wireless customer premises networks is presented. Proxy caches, maintained in base stations, are constantly relocated to follow the roaming user. A cache management scheme is proposed, which involves the relocation of full caches to the most probable cells but also percentages of ...

Keywords: cache relocation, caching proxy, mobile computing, path prediction algorithm

13 Session III: Mobility Management in multimedia networks: Mobility support in unified communication networks
Helen J. Wang, Randy H. Katz
July 2001 **Proceedings of the 4th ACM international workshop on Wireless mobile multimedia**
Publisher: ACM Press
Full text available: pdf(1.11 MB) Additional Information: full citation, abstract, references, index terms

Rapid advances in communication networks and device technologies have enabled people

with powerful means of communications. It is common for any individual to be associated with a number of heterogeneous communication devices (such as phones, pagers, PDAs) or a variety of applications (such as e-mail, instant messaging, or chat-rooms). This phenomenon has spurred a great demand for *unifie dcommunication* [20] services which integrate one's various communication mechanisms in a meaningful a ...

14 An Experimental Testbed and Methodology for Characterizing IEEE 802.11 Network Cards

A. Di Stefano, G. Terrazzino, L. Scalia, I. Tinnirello, G. Bianchi, C. Giaconia

June 2006 **Proceedings of the 2006 International Symposium on on World of Wireless, Mobile and Multimedia Networks WOWMOM '06**

Publisher: IEEE Computer Society

Additional Information: full citation, abstract

It has been observed that IEEE 802.11 commercial cards produced by different vendors show a different behavior in terms of perceived throughput or access delay. Performance differences are evident both when the cards contend alone to the channel, and when heterogeneous cards contend together. Since the performance disaligment does not disappear by averaging the environmental factors (such as propagation conditions, laptop models, traffic generators, etc), it is evident that the well known throug ...

15 Assessing the quality of voice communications over internet backbones

Athina P. Markopoulou, Fouad A. Tobagi, Mansour J. Karam

October 2003 **IEEE/ACM Transactions on Networking (TON)**, Volume 11 Issue 5

Publisher: IEEE Press

Full text available: pdf(906.27 KB) Additional Information: full citation, abstract, references, citings, index terms

As the Internet evolves into a ubiquitous communication infrastructure and provides various services including telephony, it will be expected to meet the quality standards achieved in the public switched telephone network. Our objective in this paper is to assess to what extent today's Internet meets this expectation. Our assessment is based on delay and loss measurements taken over wide-area backbone networks and uses subjective voice quality measures capturing the various impairments incurred. ...

Keywords: computer networks, internet, measurements, voice communications, voice over IP (VoIP), voice quality assessment

16 Visualizing geospatial data

Theresa Marie Rhyne, Alan MacEachren, Theresa-Marie Rhyne

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes SIGGRAPH '04**

Publisher: ACM Press

Full text available: pdf(14.01 MB) Additional Information: full citation, abstract

This course reviews concepts and highlights new directions in GeoVisualization. We review four levels of integrating geospatial data and geographic information systems (GIS) with scientific and information visualization (VIS) methods. These include:• Rudimentary: minimal data sharing between the GIS and Vis systems• Operational: consistency of geospatial data• Functional: transparent communication between the GIS and Vis systems• Merged: one comprehensive toolkit environmentW ...

17 A process control approach to cyber attack detection

August 2001 **Communications of the ACM**, Volume 44 Issue 8

Publisher: ACM Press

Full text available: pdf(113.70 KB) html(33.65 KB) Additional Information: full citation, references, citings, index terms, review

18 Spoken dialogue technology: enabling the conversational user interface

Michael F. McTear
March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1
Publisher: ACM Press

Full text available: pdf(987.69 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the 1950s concerned with developing conversational interfaces. However, it is only within the last decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc ...

Keywords: Dialogue management, human computer interaction, language generation, language understanding, speech recognition, speech synthesis

19 Queueing Network-Model Human Processor (QN-MHP): A computational architecture for multitask performance in human-machine systems

Yili Liu, Robert Feyen, Omer Tsimhoni
March 2006 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 13 Issue 1
Publisher: ACM Press

Full text available: pdf(1.25 MB) Additional Information: full citation, abstract, references, index terms

Queueing Network-Model Human Processor (QN-MHP) is a computational architecture that integrates two complementary approaches to cognitive modeling: the queueing network approach and the symbolic approach (exemplified by the MHP/GOMS family of models, ACT-R, EPIC, and SOAR). Queueing networks are particularly suited for modeling parallel activities and complex structures. Symbolic models have particular strength in generating a person's actions in specific task situations. By integrating the two ...

Keywords: Cognitive model, cognition, human information processing, human-computer interaction, user interfaces

20 Mobile applications: Bluetooth and WAP push based location-aware mobile advertising system

Lauri Aalto, Nicklas Göthlin, Jani Korhonen, Timo Ojala
June 2004 **Proceedings of the 2nd international conference on Mobile systems, applications, and services MobiSys '04**
Publisher: ACM Press

Full text available: pdf(469.83 KB) Additional Information: full citation, abstract, references, index terms

Advertising on mobile devices has large potential due to the very personal and intimate nature of the devices and high targeting possibilities. We introduce a novel B-MAD system for delivering permission-based location-aware mobile advertisements to mobile phones using Bluetooth positioning and Wireless Application Protocol (WAP) Push. We present a thorough quantitative evaluation of the system in a laboratory environment and qualitative user evaluation in form of a field trial in the real envir ...

Keywords: Bluetooth positioning, context-aware, location-aware, location-based services, mobile advertising, wireless advertising

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21 A comparative analysis of fuzzy versus conventional policing mechanisms for ATM networks
Vincenzo Catania, Giuseppe Ficili, Sergio Palazzo, Daniela Panno
June 1996 **IEEE/ACM Transactions on Networking (TON)**, Volume 4 Issue 3
Publisher: IEEE Press
Full text available: pdf(1.72 MB) Additional Information: full citation, references, citings, index terms

22 Report on the Workshop on Quality of Service Issues in High Speed Networks
S. Keshav
October 1992 **ACM SIGCOMM Computer Communication Review**, Volume 22 Issue 5
Publisher: ACM Press
Full text available: pdf(1.28 MB) Additional Information: full citation, index terms

23 SpeechSkimmer: a system for interactively skimming recorded speech
Barry Arons
March 1997 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 4 Issue 1
Publisher: ACM Press
Full text available: pdf(1.03 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Listening to a speech recording is much more difficult than visually scanning a document because of the transient and temporal nature of audio. Audio recordings capture the richness of speech, yet it is difficult to directly browse the stored information. This article describes techniques for structuring, filtering, and presenting recorded speech, allowing a user to navigate and interactively find information in the audio domain. This article describes the SpeechSkimmer system for interacti ...

Keywords: audio browsing, interactive listening, nonspeech audio, speech as data, speech skimming, speech user interfaces, time compression

24 Graph mining: Laws, generators, and algorithms
Deepayan Chakrabarti, Christos Faloutsos
June 2006 **ACM Computing Surveys (CSUR)**, Volume 38 Issue 1
Publisher: ACM Press
Full text available: Additional Information:

pdf(910.68 KB) full citation, abstract, references, index terms

How does the Web look? How could we tell an abnormal social network from a normal one? These and similar questions are important in many fields where the data can intuitively be cast as a graph; examples range from computer networks to sociology to biology and many more. Indeed, any *M* : *N* relation in database terminology can be represented as a graph. A lot of these questions boil down to the following: "How can we generate synthetic but realistic graphs?" To answer thi ...

Keywords: Generators, graphs, patterns, social networks

25 Tutorial: The basics of e-learning: an excerpt from handbook of human factors in web design

Lisa Neal, Diane Miller
August 2005 **eLearn**, Volume 2005 Issue 8
Publisher: ACM Press
Full text available: html(121.89 KB) Additional Information: full citation, index terms

26 Wireless LANs: from WarChalking to open access networks

Roberto Battiti, Renato Lo Cigno, Mikalai Sabel, Fredrik Orava, Björn Pehrson
June 2005 **Mobile Networks and Applications**, Volume 10 Issue 3
Publisher: ACM Press
Full text available: pdf(2.45 MB) Additional Information: full citation, abstract, references, index terms

This work discusses the evolution of W-LANs from their current status of wireless termination of LAN services to a possible global infrastructure where the access networks become open to multiple operators and a vehicle of a win-win scenario, where both users and operators benefit from the new network architecture. The idea of Open Access Networks (OANs) can go beyond wireless HotSpots and be generalized to a generic shared access infrastructure that fosters service operators competition and dra ...

Keywords: business models, open access networks, resource sharing, telecommunications architecture, user-operator interaction, wireless LANs

27 Transport and control issues in multimedia wireless networks

Antonio Iera, Salvatore Marano, Antonella Molinaro
August 1996 **Wireless Networks**, Volume 2 Issue 3
Publisher: Kluwer Academic Publishers
Full text available: pdf(348.68 KB) txt(59.25 KB) Additional Information: full citation, abstract, references, index terms

It is not an easy task in the UMTS environment to effectively design the transport and the management of traffic belonging to multimedia teleservices among those defined by ITURecommendations, due to the hard communication requirements which this kind of application can call for. In this paper the results of an overall research work, dealing with an effective management of "multimedia" and "multi-requirement" services in enhanced third-generation mobile radio systems ...

28 TalkBack: a conversational answering machine

Vidya Lakshmipathy, Chris Schmandt, Natalia Marmasse
November 2003 **Proceedings of the 16th annual ACM symposium on User interface software and technology**
Publisher: ACM Press
Full text available: pdf(1.57 MB) Additional Information: full citation, abstract, references, index terms

Current asynchronous voice messaging interfaces, like voicemail, fail to take advantage of

our conversational skills. TalkBack restores conversational turn-taking to voicemail retrieval by dividing voice messages into smaller sections based on the most significant silent and filled pauses and pausing after each to record a response. The responses are composed into a reply, alternating with snippets of the original message for context. TalkBack is built into a digital picture frame; the recipient ...

Keywords: answering machine, computer mediated communication, conversational interface, voicemail

29 The information furnace: consolidated home control

Diomidis D. Spinellis

May 2003 **Personal and Ubiquitous Computing**, Volume 7 Issue 1

Publisher: Springer-Verlag

Full text available: pdf(488.36 KB) Additional Information: full citation, abstract, index terms

The Information Furnace is a basement-installed PC-type device that integrates existing consumer home-control, infotainment, security and communication technologies to transparently provide accessible and value-added services. A modern home contains a large number of sophisticated devices and technologies. Access to these devices is currently provided through a wide variety of disparate interfaces. As a result, end users face a bewildering array of confusing user-interfaces, access modes a ...

Keywords: Automation, Consumer electronics, Home-control, Multi-modal interfaces

30 Performance evaluation for a quasi-synchronous packet radio network (QSPNET)

Ayan Banerjee, Ronald A. Iltis, Emmanouel A. Varvarigos

October 2001 **IEEE/ACM Transactions on Networking (TON)**, Volume 9 Issue 5

Publisher: IEEE Press

Full text available: pdf(299.42 KB) Additional Information: full citation, abstract, references, index terms

We propose a new media-access and connection-establishment protocol for an *ad-hoc* quasi-synchronous packet radio network (QSPNET). In the QSPNET, the bandwidth is partitioned into a data channel, used to transmit packets, and a control channel, used to make reservations. Transmitted wave-forms in the QSPNET are made quasi-synchronous by using a local GPS clock. The QSPNET uses a novel linear decorrelator receiver for multiuser detection, which permits the reception of quasi-synchronous co ...

Keywords: *Ad hoc* packet radio networks, quasi-synchronous CDMA, tell-and-go protocol

31 Exploiting path diversity in mobile systems: A mechanism for host mobility management supporting application awareness

Arjan Peddemors, Hans Zandbelt, Mortaza Bargh

June 2004 **Proceedings of the 2nd international conference on Mobile systems, applications, and services MobiSys '04**

Publisher: ACM Press

Full text available: pdf(499.48 KB) Additional Information: full citation, abstract, references, index terms

Many approaches exist today that address the issues that arise when a mobile node changes its point(s) of attachment to the Internet. Mobile IP takes care of host mobility at the IP layer; others at the transport layer (Mobile SCTP) or at the application layer (SIP with re-invite). In practice, most of these approaches rely on functionality residing on the mobile host that scans, detects and activates the networks available through one or more network interfaces.The mechanism proposed in this pa ...

Keywords: application awareness, host mobility, mobility management

32 Report on the 5th IFIP international workshop on quality of service (IWQOS'97)

Oguz Angin, Andrew T. Campbell, Lai-Tee Cheok, Raymond R-F Liao, Koon-Seng Lim, Klara Nahrstedt

July 1997 **ACM SIGCOMM Computer Communication Review**, Volume 27 Issue 3

Publisher: ACM Press

Full text available: pdf(1.86 MB) Additional Information: full citation, abstract, index terms

This paper presents a summary of the fifth International Workshop on Quality of Service (IWQOS) which was held at Columbia University in May 1997. The goal of this three-day meeting was to foster interaction between researchers active in the area of Quality of Service(QOS) research, to reflect on past experiences and lessons learnt, and to discuss future QOS challenges. To reflect this goal, this year's workshop included a hot program made up of (i) a keynote address on "Programming Telecommunic ...

33 Enhancing location privacy in wireless LAN through disposable interface identifiers: a quantitative analysis

Marco Gruteser, Dirk Grunwald

June 2005 **Mobile Networks and Applications**, Volume 10 Issue 3

Publisher: ACM Press

Full text available: pdf(2.31 MB) Additional Information: full citation, abstract, references, index terms

The recent proliferation of wireless local area networks (WLAN) has introduced new location privacy risks. An adversary controlling several access points could triangulate a client's position. In addition, interface identifiers uniquely identify each client, allowing tracking of location over time. We enhance location privacy through frequent disposal of a client's interface identifier. While not preventing triangulation per se, it protects against an adversary following a user's movements over ...

Keywords: location privacy, wireless LAN

34 A survey of research and practices of Network-on-chip

Tobias Bjerregaard, Shankar Mahadevan

June 2006 **ACM Computing Surveys (CSUR)**, Volume 38 Issue 1

Publisher: ACM Press

Full text available: pdf(1.41 MB) Additional Information: full citation, abstract, references, index terms

The scaling of microchip technologies has enabled large scale systems-on-chip (SoC). Network-on-chip (NoC) research addresses global communication in SoC, involving (i) a move from computation-centric to communication-centric design and (ii) the implementation of scalable communication structures. This survey presents a perspective on existing NoC research. We define the following abstractions: system, network adapter, network, and link to explain and structure the fundamental concepts. First, r ...

Keywords: Chip-area networks, GALS, GSI design, NoC, OCP, SoC, ULSI design, communication abstractions, communication-centric design, interconnects, network-on-chip, on-chip communication, sockets, system-on-chip

35 Queue Focus: Voice Over IP: You Don't Know Jack About VoIP

Phil Sherburne, Cary Fitzgerald

September 2004 **Queue**, Volume 2 Issue 6

Publisher: ACM Press

Full text available: pdf(1.02 MB) html(36.36 KB) Additional Information: full citation, index terms

36 Deployment and testbeds: Enhancing location privacy in wireless LAN through disposable interface identifiers: a quantitative analysis

Marco Gruteser, Dirk Grunwald
September 2003 **Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots**
Publisher: ACM Press
Full text available: pdf(410.84 KB) Additional Information: full citation, abstract, references, index terms

The recent proliferation of wireless local area networks (WLAN) has introduced new *location* privacy risks. An adversary controlling several access points could triangulate a client's position. In addition, interface identifiers uniquely identify each client, allowing tracking of location over time. We enhance location privacy through frequent disposal of a client's interface identifier. The described system curbs the adversary's ability to continuously track a client's position. Design ch ...

Keywords: interface identifiers, location privacy, wireless LAN

37 Audio: 1-800-OVERLAYS: using overlay networks to improve VoIP quality
Yair Amir, Claudiu Danilov, Stuart Goose, David Hedqvist, Andreas Terzis
June 2005 **Proceedings of the international workshop on Network and operating systems support for digital audio and video NOSSDAV '05**
Publisher: ACM Press
Full text available: pdf(217.39 KB) Additional Information: full citation, abstract, references, index terms

The cost savings and novel features associated with Voice over IP (VoIP) are driving its adoption by service providers. Such a transition however can successfully happen only if the quality and reliability offered is comparable to the existing PSTN. Unfortunately, the Internet's best effort service model provides no inherent quality of service guarantees. Because low latency and jitter is the key requirement for supporting high quality interactive conversations, VoIP applications use UDP to tran ...

Keywords: VoIP, overlay networks

38 Chat II: How push-to-talk makes talk less pushy
Allison Woodruff, Paul M. Aoki
November 2003 **Proceedings of the 2003 international ACM SIGGROUP conference on Supporting group work**
Publisher: ACM Press
Full text available: pdf(356.48 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper presents an exploratory study of college-age students using two-way, push-to-talk cellular radios. We describe the observed and reported use of cellular radio by the participants. We discuss how the half-duplex, lightweight cellular radio communication was associated with reduced interactional commitment, which meant the cellular radios could be used for a wide range of conversation styles. One such style, intermittent conversation, is characterized by response delays. Intermittent co ...

Keywords: cellular radio, instant messaging, two-way radio, walkie talkies

39 May I interrupt?: Lilsys: Sensing Unavailability
James Bo Begole, Nicholas E. Matsakis, John C. Tang
November 2004 **Proceedings of the 2004 ACM conference on Computer supported cooperative work**
Publisher: ACM Press
Full text available: pdf(3.81 MB) Additional Information: full citation, abstract, references, index terms

As communications systems increasingly gather and propagate information about people's reachability or ``presence'', users need better tools to minimize undesired interruptions while allowing desired ones. We review the salient elements of presence and availability that people use when initiating face-to-face communication. We discuss problems with

current strategies for managing one's availability in telecommunication media. We describe a prototype system called Lilsys which p ...

Keywords: Lilsys, availability, contact negotiation, context-aware computing, instant messaging (IM), presence, sensors, telecommunication

40 Multimedia Processing: Bi-level video: video communication at very low bit rates

Jiang Li, Gang Chen, Jizheng Xu, Yong Wang, Hanning Zhou, Keman Yu, King To Ng, Heung-Yeung Shum

October 2001 **Proceedings of the ninth ACM international conference on Multimedia**

Publisher: ACM Press

Full text available: pdf(740.65 KB) Additional Information: full citation, abstract, references, citings, index terms

The rapid development of wired and wireless networks tremendously facilitates communications between people. However, most of the current wireless networks still work in low bandwidths, and mobile devices still suffer from weak computational power, short battery lifetime and limited display capability. We developed a very low bit-rate bi-level video coding technique, which can be used in video communications almost anywhere, anytime on any device. The spirit of this method is that rather ...

Keywords: JBIG, MPEG, bi-level video, portrait video, video broadcast and communication, video coding

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Best 200 shown Relevance scale

41 Pervasive gaming: The Drop: pragmatic problems in the design of a compelling, pervasive game
Ian Smith, Sunny Consolvo, Anthony LaMarca
July 2005 **Computers in Entertainment (CIE)**, Volume 3 Issue 3
Publisher: ACM Press
Full text available: pdf(292.98 KB) Additional Information: full citation, abstract, references, index terms

We are developing a new multiplayer pervasive game, called The Drop, designed to be compelling to play and yet practical to deploy in real-world settings. In The Drop, two teams use mobile phones to play a version of "capture the flag," where one team hides a virtual "briefcase" in a public place and the other team attempts to find it within a specified amount of time. If the team that is searching for the briefcase finds it within the game's time limit, they win; otherwise, the team that hid th ...

Keywords: Place Lab, gaming business models, mobile gaming, mobile phones, social mobile applications

42 Tools: Virtual routers: a tool for networking research and education
Florian Baumgartner, Torsten Braun, Eveline Kurt, Attila Weyland
July 2003 **ACM SIGCOMM Computer Communication Review**, Volume 33 Issue 3
Publisher: ACM Press
Full text available: pdf(284.61 KB) Additional Information: full citation, abstract, references, index terms

Virtual routers are software entities, i.e. user space processes, emulating IP routers on one or several (Linux) computers. Virtual routers can be used for both networking research and education. In contrast to simulation, virtual routers process packets in real-time and the virtual router code is similar to code in real routers. In the case of research, larger network test-beds can be built using a relatively small number of computers. New functionalities such as new queuing mechanisms are supp ...

Keywords: distance learning, network emulation, networking, performance evaluation

43 Retransmission schemes for streaming internet multimedia: evaluation model and performance analysis
Dmitri Loguinov, Hayder Radha
April 2002 **ACM SIGCOMM Computer Communication Review**, Volume 32 Issue 2
Publisher: ACM Press
Full text available: pdf(1.49 MB) Additional Information: full citation, abstract, references, index terms

This paper presents a trace-driven simulation study of two classes of retransmission timeout (RTO) estimators in the context of real-time streaming over the Internet. We explore the viability of employing retransmission timeouts in NACK-based (i.e., rate-based) streaming applications to support multiple retransmission attempts per lost packet. The first part of our simulation is based on trace data collected during a number of real-time streaming tests between dialup clients in all 50 states in ...

44 On becoming virtual: the driving forces and arrangements

Magid Igbaria, Conrad Shayo, Lorne Olfman

April 1999 **Proceedings of the 1999 ACM SIGCPR conference on Computer personnel research**

Publisher: ACM Press

Full text available: pdf(1.80 MB) Additional Information: full citation, references, index terms

Keywords: telework, virtual communities, virtual organizations, virtual society, virtual teams

45 How can routers help Internet economics?

John M. Schnizlein

October 1998 **Proceedings of the first international conference on Information and computation economies**

Publisher: ACM Press

Full text available: pdf(980.93 KB) Additional Information: full citation, references, index terms

Keywords: billing, congestion, differentiated, economics, network

46 Information Retrieval: Improving pseudo-relevance feedback in web information retrieval using web page segmentation

Shipeng Yu, Deng Cai, Ji-Rong Wen, Wei-Ying Ma

May 2003 **Proceedings of the 12th international conference on World Wide Web**

Publisher: ACM Press

Full text available: pdf(275.88 KB) Additional Information: full citation, abstract, references, citings, index terms

In contrast to traditional document retrieval, a web page as a whole is not a good information unit to search because it often contains multiple topics and a lot of irrelevant information from navigation, decoration, and interaction part of the page. In this paper, we propose a VIsion-based Page Segmentation (VIPS) algorithm to detect the semantic content structure in a web page. Compared with simple DOM based segmentation method, our page segmentation scheme utilizes useful visual cues to obtai ...

Keywords: page segmentation, query expansion, relevance feedback, web information retrieval

47 Content-triggered trust negotiation

Adam Hess, Jason Holt, Jared Jacobson, Kent E. Seamons

August 2004 **ACM Transactions on Information and System Security (TISSEC)**, Volume 7 Issue 3

Publisher: ACM Press

Full text available: pdf(815.36 KB) Additional Information: full citation, abstract, references, index terms

The focus of access control in client/server environments is on protecting sensitive server resources by determining whether or not a client is authorized to access those resources. The set of resources is usually static, and an access control policy associated with each

resource specifies who is authorized to access the resource. In this article, we turn the traditional client/server access control model on its head and address how to protect the sensitive content that clients disclose to and r ...

Keywords: Trust negotiation, access control, authentication, credentials

48 A call admission and control scheme for quality-of-service (QoS) provisioning in next generation wireless networks

S. K. Das, R. Jayaram, N. K. Kakani, Sanjoy K. Sen

January 2000 **Wireless Networks**, Volume 6 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: pdf(201.98 KB) Additional Information: full citation, abstract, references, citings, index terms

We propose a framework for quality‐of‐service (QoS) provisioning for multimedia services in next generation wireless access networks. This framework aims at providing a differentiated treatment to multimedia traffic flows at the link layer, which can be broadly classified as real‐time (or delay‐sensitive) and non‐real‐time (or delay‐tolerant). Various novel schemes are proposed to support the differential treatment and guarant ...

49 The effect of context and application type on mobile usability: an empirical study

Caspar Ryan, Atish Gonsalves

January 2005 **Proceedings of the Twenty-eighth Australasian conference on Computer Science - Volume 38 ACSC '05**

Publisher: Australian Computer Society, Inc.

Full text available: pdf(280.38 KB) Additional Information: full citation, abstract, references, index terms

This paper discusses the effect of context on mobile usability, proposes an expanded model of mobile application context, and conducts an empirical study to test a number of hypotheses concerning the use of software implementation technology and location context in mobile applications. Four different application types (PC web based, PC device based, mobile web based and mobile device based) were tested using a within-subjects repeated-measures design. The results demonstrate that by utilising cl ...

Keywords: context, empirical study, mobile usability, smart clients

50 Draft report of the Federal Internetworking Requirements Panel, and selected responses

Diane Fountaine

April 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 2

Publisher: ACM Press

Full text available: pdf(4.15 MB) Additional Information: full citation, index terms

51 Design and performance evaluation of an RRA scheme for voice-data channel access in outdoor microcellular environments

Allan C. Cleary, Michael Paterakis

June 1997 **Mobile Networks and Applications**, Volume 2 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: pdf(398.19 KB) Additional Information: full citation, abstract, references, citings, index terms

In PCS networks, the multiple access problem is characterized by spatially dispersed mobile source terminals sharing a radio channel connected to a fixed base station. In this paper, we design and evaluate a reservation random access (RRA) scheme that multiplexes voice traffic at the talkspurt level to efficiently integrate voice and data traffic

in outdoor microcellular environments. The scheme involves partitioning the time frame into two request intervals (voice and data) and an informat ...

52 A conceptual framework for network and client adaptation

B. Badrinath, Armando Fox, Leonard Kleinrock, Gerald Popek, Peter Reiher, M. Satyanarayanan

December 2000 **Mobile Networks and Applications**, Volume 5 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: pdf(218.24 KB) Additional Information: full citation, abstract, references, citings, index terms

Modern networks are extremely complex, varying both statically and dynamically. This complexity and dynamism are greatly increased when the network contains mobile elements. A number of researchers have proposed solutions to these problems based on dynamic adaptation to changing network conditions and application requirements. This paper summarizes the results of several such projects and extracts several important general lessons learned about adapting data flows over difficult network condi ...

53 Virtual machine monitors: Terra: a virtual machine-based platform for trusted computing

Tal Garfinkel, Ben Pfaff, Jim Chow, Mendel Rosenblum, Dan Boneh

October 2003 **Proceedings of the nineteenth ACM symposium on Operating systems principles**

Publisher: ACM Press

Full text available: pdf(140.31 KB) Additional Information: full citation, abstract, references, citings, index terms

We present a flexible architecture for trusted computing, called Terra, that allows applications with a wide range of security requirements to run simultaneously on commodity hardware. Applications on Terra enjoy the semantics of running on a separate, dedicated, tamper-resistant hardware platform, while retaining the ability to run side-by-side with normal applications on a general-purpose computing platform. Terra achieves this synthesis by use of a *trusted virtual machine monitor* (TVMM ...

Keywords: VMM, attestation, authentication, trusted computing, virtual machine, virtual machine monitor

54 Business-to-business e-commerce track: Website optimization with web metrics: a case study

Birgit Weischedel, Eelko K. R. E. Huizingh

August 2006 **Proceedings of the 8th international conference on Electronic commerce: The new e-commerce: innovations for conquering current barriers, obstacles and limitations to conducting successful business on the internet ICEC '06**

Publisher: ACM Press

Full text available: pdf(395.25 KB) Additional Information: full citation, abstract, references, index terms

Web metrics are the measures that reflect how customers are using a website. Companies use these metrics for further improvement of their website. Although most companies today are engaged in website optimization, the actual use of web metrics is a relatively unexplored area. In this paper we address this topic by first reviewing the strengths and weaknesses of the most important source of web metrics (web logs) and then conducting an extensive case study. The literature review revealed a number ...

Keywords: case study, clickstream data, measures, server log, web metrics, website optimization

55 Mobile surfing and effects of wearables: Minimap: a web page visualization method

for mobile phones
Virpi Roto, Andrei Popescu, Antti Koivisto, Elina Vartiainen
April 2006 **Proceedings of the SIGCHI conference on Human Factors in computing systems CHI '06**
Publisher: ACM Press
Full text available: pdf(1.01 MB) Additional Information: full citation, abstract, references, index terms

The Web has become available even on mobile phones, but the current methods to view large pages on small screens have not been highly usable. Current mobile phone browsers reformat Web pages to a single column that fits the screen width. Because not all content is comprehensible in this format, browsers provide a second mode for viewing pages in the same layout as on a PC. We have developed a modeless Web page visualization method called Minimap that shows pages in a modified Original layout. We ...

Keywords: Minimap, field study, information visualization, mobile Web browser, narrow layout, small screen, usability

56 QoS for wireless ad hoc and sensor networks: A swarm intelligent multi-path routing for multimedia traffic over mobile ad hoc networks
Saida Ziane, Abdelhamid Melouk
October 2005 **Proceedings of the 1st ACM international workshop on Quality of service & security in wireless and mobile networks Q2SWinet '05**
Publisher: ACM Press
Full text available: pdf(304.50 KB) Additional Information: full citation, abstract, references, index terms

In the last few years, the advance of multimedia applications has prompted researchers to undertake the task of routing multimedia data through Manet. This task is rather difficult due to the highly dynamic topology of mobile ad hoc networks and their limited bandwidth. Actually, different routing algorithms are proposed in order to route various kinds of sources (such as voice, video, or data) with diverse traffic characteristics and Quality of Service Requirements (QoS). These algorithms must ...

Keywords: adaptive routing, manets, multimedia traffic, quality of service, reinforcement learning, swarm intelligence

57 PADS: a domain-specific language for processing ad hoc data
Kathleen Fisher, Robert Gruber
June 2005 **ACM SIGPLAN Notices , Proceedings of the 2005 ACM SIGPLAN conference on Programming language design and implementation PLDI '05**, Volume 40 Issue 6
Publisher: ACM Press
Full text available: pdf(106.89 KB) Additional Information: full citation, abstract, references, citings, index terms

PADS is a declarative data description language that allows data analysts to describe both the physical layout of ad hoc data sources and semantic properties of that data. From such descriptions, the PADS compiler generates libraries and tools for manipulating the data, including parsing routines, statistical profiling tools, translation programs to produce well-behaved formats such as Xml or those required for loading relational databases, and tools for running XQueries over raw PADS data sourc ...

Keywords: data description language, domain-specific languages

58 Location-awareness and interworking: A user-centric analysis of vertical handovers
Andrea Calvagna, Giuseppe Di Modica
October 2004 **Proceedings of the 2nd ACM international workshop on Wireless mobile applications and services on WLAN hotspots**
Publisher: ACM Press

Full text available: pdf(350.27 KB) Additional Information: full citation, abstract, references, index terms

To implement seamless mobility inside an integrated, multiple (e.g. GPRS/WiFi) access system, a vertical handover policy has to be devised. This is usually done at the mobile terminal, allowing it to be customized from a end-user perspective, in order to fit individual needs/preferences. We propose a new approach in taking vertical handover decisions, which are not anymore exclusively based on the knowledge of the available access networks' characteristics but also on higher level parameters ...

Keywords: TCP, UDP, handover, seamless mobility, user satisfaction

59 User perception in audio: A source and channel rate adaptation algorithm for AMR in VoIP using the Emodel

Johnny Matta, Christine Pépin, Khosrow Lashkari, Ravi Jain

June 2003 **Proceedings of the 13th international workshop on Network and operating systems support for digital audio and video**

Publisher: ACM Press

Full text available: pdf(310.89 KB) Additional Information: full citation, abstract, references, index terms

We present a dynamic joint source and channel coding adaptation algorithm for the AMR speech codec based on the ITU-T Emodel. This model takes both delay and packet loss into consideration. We address the problem of finding the optimal choice of source and channel bit rates given QoS information about the wired and wireless IP network and subject to constraints on maximum packet loss, maximum delay and maximum allowed transmission rate. Our results show that an adaptation is necessary to preserv ...

Keywords: AMR, MOS, QoS, VoIP, emodel, forward error correction

60 All-optical networks

Samir Chatterjee, Suzanne Pawlowski

June 1999 **Communications of the ACM**, Volume 42 Issue 6

Publisher: ACM Press

Full text available: pdf(296.73 KB) html(42.58 KB) Additional Information: full citation, references, citings, index terms, review

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Windows NT: Connecting to Cornell via Modem
If Windows does not **detect** the modem, select it from the list shown. ... Right-click on the Cornell icon and select Properties from the **pop-up menu**. ...
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Answers to FAQs
The computer doesn't **detect** my wireless **phone** – what should I do? ... Right click on the letter "V" and select "exit" from the **pop up menu**. ...
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Quick **Phone** Number Change for Windows 95/98/ME/2000/XP
We want to pick the Control Panel icon called "**Network** Connections". Use the RIGHT mouse button to click once on the FrogNet icon. A **pop-up menu** will appear ...
www.frognet.net/help/archives/windows_dialup_config.php - 20k - Cached - Similar pages

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Basic dial telephone connections to the public switched **network**, without any added features or functions. A POTS line is nothing but a **phone** line connected ...
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Support Center
Double-click the **Network** and Dial-Up Connections icon. Image; Right-click your EarthLink Dial-Up connection and select Create Shortcut from the **pop-up menu**. ...
kb.earthlink.net/case.asp?article=15933 - 46k - Cached - Similar pages

Connecting to the BC **Network** with Windows XP - Help Article
An Ethernet cable looks similar to a **phone** cable, but the ends are wider. ... the Classic view select Settings and then Control Panel from the **pop-up menu**). ...
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Mac OS X **Network** Configuration
On the **Network** pane in System Preferences, use the Location **pop-up menu** to create a new ... Check the Send PPP Echo Packets box to allow your Mac to **detect** ...
www.net.princeton.edu/mac/**network**-config-x/ - 60k - Cached - Similar pages

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by the traditional **phone network**. The Skype **network** makes this work ... On the **pop-up menu** that appears, click on the drop-down list and select "Other". ...
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How to Set Up Your Computer for the AztecaNet DialUp
Or call us at (310) 677-8301 and ask for your local **phone** number.) Close; Open Control Panel "TCP/IP"; Describe protocol; In "Connect" **pop up menu** select ...
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Pop-up Menu Enhancements - Pop-up menus can be created in both Dreamweaver MX ... **Network** License Detection will **detect** a license violation and prohibit an ...
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2.2) See if your modem is listied in the **pop-up menu** that appears when you click on the ... If you have any **feedback** or suggestions on how to improve these, ...
www.cruzio.com/support/docs/setup_os9_text.html - 33k - Cached - Similar pages

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> (Your **Network** Password is case sensitive.) 5.5) Put a check in the "Save Password" checkbox. 5.6) In the "Number" box, enter the **phone** number from your ...
> www.cruzio.com/support/docs/setup_os8_text.html - 35k - Cached - Similar pages

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Tap and hold the file, and then tap Delete on the **pop-up menu**. ... If the customer is using the **network phone** service (Voice Stream). ...
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In "E-mail Setup (4/5)" window , in "Account type" **pop-up menu**, select IMAP4 ... You can **phone** them at 220-5555 or e-mail them at itsupport@ucalgary.ca. ...
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From the Ground Up by Rajgopal Nidamboor
Because, the radio has been a major component in the phenomenal growth of the global **telecommunications network** — the largest and most complex object ever ...
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Pop-up control - Patent Storm
A portable **phone** is described having a display, input device for inputting ... particularly **network** objects forming part of a **telecommunications network**. ...
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pop-up menu to change the type. of dial-up server to PPP. Make. sure that all other items are. unchecked except for the TCP/IP. option under Allowed **Network** ...
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Installing MacTCP and MacPPP for FAMU PPP Access
The Port Name **pop-up menu** allows you to select the Modem Port, Printer Port, ... **Phone** num - Type in your FAMU high speed **phone** number (5612720). ...
www.famu.edu/services/ppp/macintosh.html - 20k - Cached - Similar pages

Setup-Technical Support-CWN
Type the **phone** number 2500, access number to connect to the Internet. ... Logon to **Network** , NetBEUI and IPX/SPX COMPATIBLE in ALLOWED **NETWORK** PROTOCOLS. ...
www.kucwn.edu.pk/setup.htm - 28k - Cached - Similar pages

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There already have been some small steps taken to deploy innovative applications over the **phone network**. These have been typified by the SS7 standards and ...
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In **Network** pref, select "Motorola **Phone**" from the list of **network** ports. *- 4. ... but couldn't get my computer to **detect** my **phone** (as shown in Step 4). ...
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Smart Computing Article - Solve Your Connection Crises
You are connected to a **network** of users who receive Internet feed via an internal or external modem and a cable connection or high-speed **phone** line. ...
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A&D - Information Technology FAQ
AppleTalk must be enabled in **Network** preferences. If your **network** uses AppleTalk zones, choose one from a second **pop-up menu** that appears. ...

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